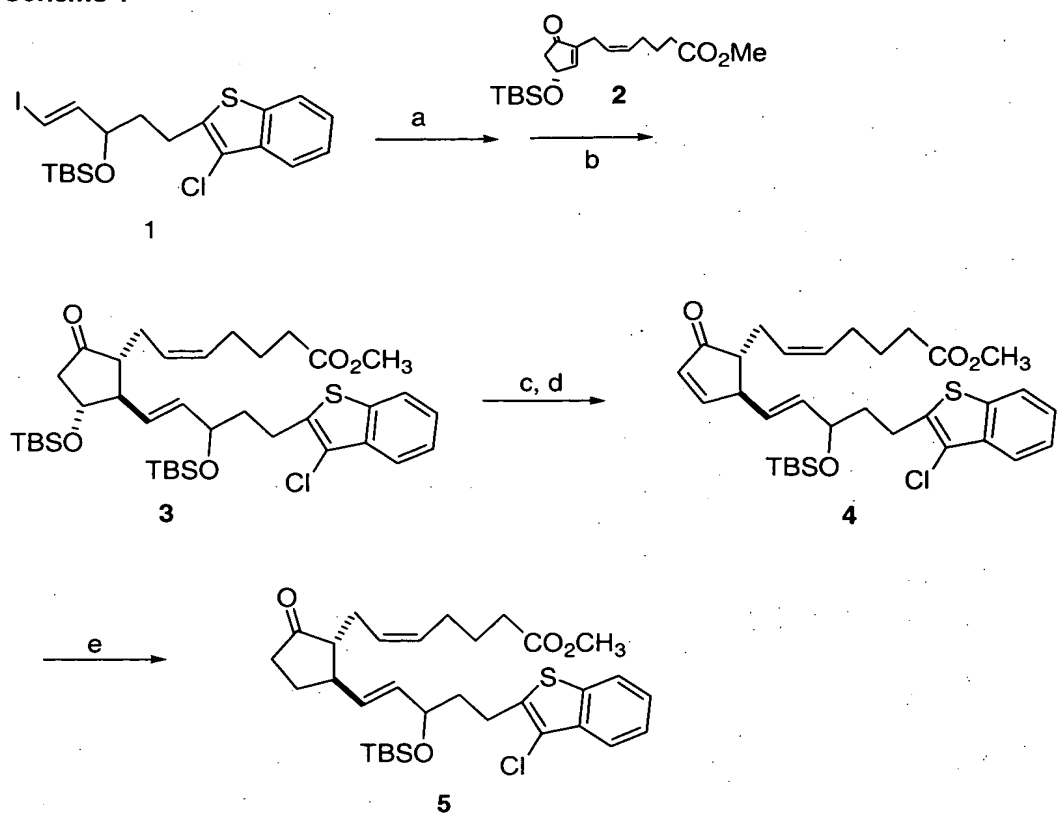
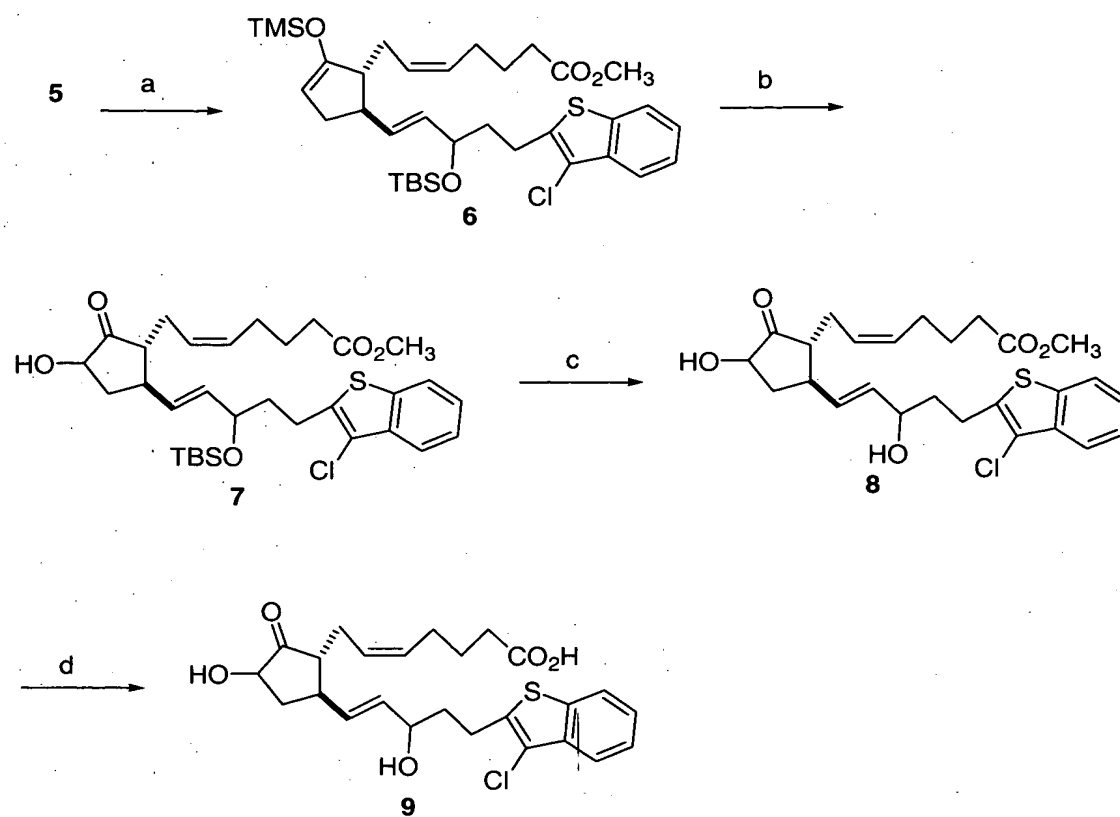


Scheme 1



(a) *t*-BuLi, THF -78 °C; 2-ThienylCuCNLi, THF -78 °C; (b) 2, THF -78 °C; (c) HOAc, H₂O, THF 70 °C; (d) TBSOTf, 2,6-lutidine, CH₂Cl₂; (e) [Ph₃PCuH]₆.

Scheme 2



(a) LDA, TMSCl; (b) dimethyldioxirane; PPTS THF/H₂O (c) HF-pyridine; (d) Rabbit Liver Esterase.